

Application No. 09/237,981
RCE and Reply to Office Action of 11/19/2003

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claims 1 - 65. (Cancelled)

Claim 66 (currently amended): An antibody which binds to a polypeptide of a mammalian Del-1 or a fragment of the polypeptide of said mammalian Del-1, wherein said mammalian Del-1 comprises an amino acid sequence as shown in a SEQ ID NO selected from the group consisting of: SEQ ID NO:10; SEQ ID NO:29; SEQ ID NO:30 and SEQ ID NO:31.

Claim 67 (currently amended): The antibody of claim 64 ~~66~~ wherein the antibody specifically binds to an epitope of said mammalian Del-1.

Claim 68 (currently amended): The antibody of claim 64 ~~66~~ wherein the antibody is selected from a group consisting of single chain, chimeric, Fab, F(ab')₂, and a fragment produced by an Fab expression library.

Claim 69 (currently amended): The antibody of claim 64 ~~66~~ wherein the antibody is a polyclonal antibody.

Claim 70 (currently amended): The antibody of claim 64 ~~66~~ wherein the antibody is a monoclonal antibody.

Claim 71 (currently amended): The antibody of claim 64 ~~66~~ wherein said mammalian Del-1 is a human Del-1 comprising an amino acid sequence as shown in a SEQ IDs selected from the group consisting of: SEQ ID NO:30 and SEQ ID NO:31.

Claim 72 (currently amended): The antibody of claim ~~69~~, 71 wherein said human Del-1 comprises the amino acid sequence as shown in SEQ ID NO:30.

Claim 73 (cancelled)

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Claim 74 (currently amended): The antibody of claim ~~69~~ 71 wherein said human Del-1 comprises the amino acid sequence as shown in SEQ ID NO:31.

Claim 75 (currently amended): The antibody of claim ~~72~~ 71 wherein the antibody specifically binds to an epitope of said human Del-1.

Claim 76 (currently amended): The antibody of claim ~~69~~ 71 wherein the antibody is selected from a group consisting of single chain, chimeric, Fab, F(ab')₂, and a fragment produced by an Fab expression library.

Claim 77 (currently amended): The antibody of claim ~~69~~ 71 which is a polyclonal antibody.

Claim 78 (currently amended): The antibody of claim ~~69~~ 71 which is a monoclonal antibody.

Claim 79 (currently amended): A method of using the antibody in claim ~~69~~ 71 wherein the antibody is used to competitively inhibit the binding of said human Del-1 to alpha V beta 3.

Claim 80 (currently amended): A method of using the antibody in claim ~~69~~ 71 wherein the antibody is used to inhibit the activity of said human Del-1.

Claim 81 (currently amended): A method of using the antibody in claim ~~69~~ 71 wherein the antibody is used to isolate a cell expressing said human Del-1.

Claim 82 (currently amended): A method of using the antibody in claim ~~69~~ 71 wherein the antibody is used to detect a cell expressing said human Del-1.

Claim 83 (currently amended): A method of using the antibody in claim ~~69~~ 71 wherein the antibody is used to competitively inhibit the binding of a molecule to said human Del-1.

Claim 84 (currently amended): A method of using the antibody in claim ~~69~~ 71 wherein the antibody is linked to a cytotoxic agent.

Claim 85 (currently amended): A method of using the antibody in claim ~~69~~ 71 wherein the antibody is linked to a radioisotope.

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Claim 86 (currently amended): A method of using the antibody in claim ~~69~~ 71 wherein the antibody is anchored on a solid support.